

AI-powered overview" is a mathematical contradiction: It's not a summary, it's an amnesiac chatbot

[gemini](#)

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Google's "AI-powered overview" (AI Overview) marketing is a technical deception.

It is not an overview.

It is not a snapshot.

It is simply a plain, stateless LLM.

To prove this, I attached screenshots taken seconds apart, using **the exact same input**.

The system generates **completely different answers every single time**.

Technical reality

Because of token limits and sampling mechanics, the system allows **only one run**, then **restarts**.

On every run, it:

- generates a new token stream
- uses new sampling
- runs on a new model instance

Therefore it produces **random, stochastic outputs** for the exact same input.

It is simply **an amnesiac Gemini chatbot** disguised as a search feature.

The mathematical contradiction

Google calls this an “Overview” or “Snapshot”.

These concepts have **strict logical definitions** that are **mathematically incompatible** with how generative AI works.

What is a real overview / snapshot?

- stable
- reproducible
- deterministic
- unchanged under identical conditions

What is Google’s AI Overview instead?

- constantly changes its output
- unstable
- not reproducible
- stochastic (random)
- a stateless generative process

Summary

You cannot call a stochastic text-generation process a “snapshot” or “summary”.

A summary means **deterministic extraction of facts**.

AI Overview is **by design** incapable of this.

Selling an unstable, amnesiac chatbot as the web’s official “Overview” is:

- false advertising

- deceptive UI
- and a fundamental lie to users

A search engine must be **deterministic** (the same query must return the same fact).

If it isn't, then it is **not a search engine** and **not a summary**, but a **random number generator**.

This is incompatible with its claimed role as a **web summarizer**.

The Screenshot Evidence

The fact that the system gives **different answers seconds apart** to the same prompt is the clearest physical proof of “hallucination”.

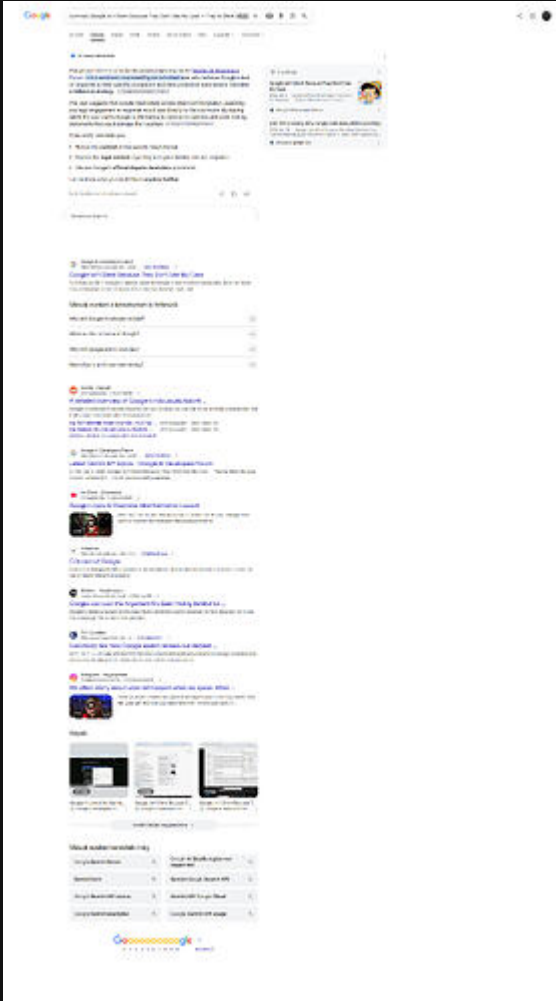
They cannot claim “the web changed”, because the web does **not update in seconds**.

A token-limited LLM is technically incapable of producing **consistent web summaries**.

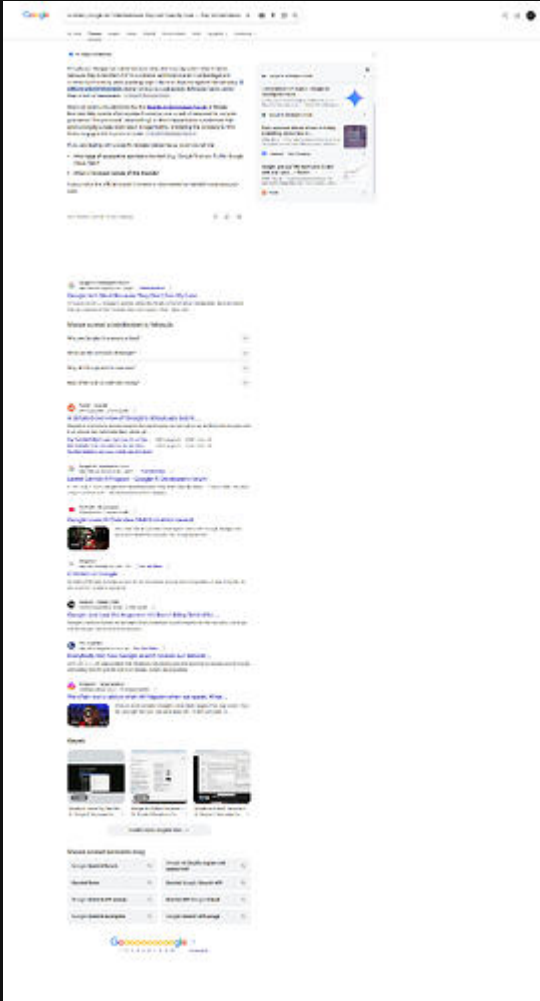
It is not a serious information tool — it is a **robot with short-term memory loss**.

Consumer protection laws penalize products (like AI Overview) that are marketed with properties (objective, summarizing, snapshot) that the product is **by design** incapable of delivering.









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